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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

TC 3700 MAIL ROOM

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IN THE MATTER OF:

APPLICANT: ANTONIO JOSE DE ARAUJO PORTO

APPLICATION NO.: 09/837,951

EXAMINER: Trinh T. Nguyen

FILED: April 19, 2001

GROUP ART UNIT: 3726

FOR: METHOD OF MANUFACTURE AN ENTIRE PISTON, AND FORGING  
TOOL

December 23, 2002

AMENDMENT

Hon. Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

S I R:

In response to the Office Action of November 14, 2002,  
please amend as follows:

IN THE SPECIFICATION:

Page 8, after line 19: insert the following:

Do not enter 17/15/03

*Sum Dly*

1. -- In the initial manufacturing step (A) a rod-like and optionally cylindrical blank (1) is upset and provided with a skirt 22 and a cavity 2, whereby contours 3-6 are shaped onto the skirt 22 along a longitudinal axis 1' and in the vicinities of its inner and outer circumferences 3 and of its upper and lower faces 4. Subsequently, the blank (1) is forged in the step (B). In the subsequent manufacturing step (B) further contours 6 are shaped onto the preliminarily-shaped piston 7 along another axis 1" by forging at approximately 90° to the first axis 1', especially the longitudinal axis. --

IN THE CLAIMS:

Change claim 45 to read as follows:

12  
-- 16. A method of manufacturing an entire piston for internal-combustion engines comprising the steps of: